

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 6, line 10, with the following revised paragraph.

At first, a basic structure of a rotation angle sensing device will be described with reference to Fig. 1. The rotation angle sensing device of this embodiment is for detecting an opening degree of, for example, a throttle valve (not shown). The rotation angle sensing device includes a substantially cylindrical rotor 1 (~~cylindrical~~first magnetic member), which rotates integrally with a throttle valve through the other members (not shown), and a stator 2 (second magnetic member), which is disposed inside the rotor 1 and fixed in a non-rotated member (not shown).

Please replace the paragraphs appearing at page 10, lines 2-15, with the following revised paragraphs.

Therefore, in the rotation angle sensing device according to this embodiment, a supportive magnet 8 is fixedly disposed closed to the hole ICs 6. The rotation angle of the supportive magnet 8 relative to the hole ICs 6 is ~~unalterable constantly~~ fixed. Moreover, the supportive magnet 8 applies a certain amount of magnetic flux to the hole ICs 6, and thereby the magnetic flux density detected in the hole ICs 6 is offset.

Specifically, as shown in Fig. 1, the supportive magnet 8 of this embodiment is fixed in the center of the magnetic sensing gap 5, that is, in the rotation axis between the hole ICs 6. Moreover, the supportive magnet 8 is magnetized in a direction where the magnetic flux passes through the hole ICs 6, i.e., in a direction perpendicular to an extending direction of the magnetic sensing gap 5. The magnetic sensing elements 6 are symmetrical about the magnetization-direction axis of the supportive magnet 8.

Please replace the paragraph beginning at page 11, line 19, with the following revised paragraph.

In this connection, the main magnet 4 and the supportive magnet 8 are permanent magnets, having the same temperature characteristic. The main magnets 4 and the supportive magnet 8 are magnets made of the same material, for example, a rare-earth magnet, a ferrite magnet ~~and~~ or an alnico magnet.

Please replace the paragraph beginning at page 12, line 17, with the following revised paragraph.

In the first embodiment, the supportive magnet 8 is disposed in the magnetic sensing gap 5 and between the two hole ICs 6. In the second embodiment, the supportive magnet 8 is disposed in a rotational center as well as the first embodiment. However, as shown in Fig. 3B, the supportive magnet 8 is fixed at the axial end of the stator 2 ~~closely~~ close to the hole ICs 6. The supportive magnet 8 applies a certain amount of magnetic flux to the hole ICs 6 so as to offset the detected magnetic flux density. This rotation angle sensing device can achieve the effect similar to the first embodiment.

Please replace the paragraph beginning at page 15, line 5, with the following revised paragraph (spacing correction).

In the above described embodiments, as a specific example of the rotation angle sensing device, the rotation angle sensing device for detecting the opening degree of the throttle valve is explained. However, the rotation angle sensing device may be employed for detecting the rotation angle of the other machine, such as an arm portion of an industrial robot.